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Kamen et al.(10) **Pub. No.: US 2022/0008649 A1**(43) **Pub. Date: Jan. 13, 2022**(54) **SYRINGE PUMP, AND RELATED METHOD
AND SYSTEM**(71) Applicant: **DEKA Products Limited Partnership,**
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D. Desch, Newburyport, MA (US)(21) Appl. No.: **17/482,555**(22) Filed: **Sep. 23, 2021****Related U.S. Application Data**(63) Continuation of application No. 16/124,644, filed on
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ABSTRACT

A syringe pump includes a lead screw, a cam, and a grasper. The grasper assembly has first and second graspers arms each having a first end and a second end. The second ends of the first and second grasper arms are configured to engage with the lead screw. The first ends of the first and second grasper arms are configured to engage with the cam such that actuation of the cam toward the grasper assembly causes the second ends of the first and second grasper arms to pivotally approach each other. The second ends of the first and second grasper arms each includes threads to engage the lead screw when the second ends of the first and second grasper arms approach each other. The plunger head coupled to said grasper assembly and operative to drive a plunger of a syringe into a barrel of said syringe.

